

WEATHER EVEN THE HARSHTEST CONDITIONS

**ARALDITE® 2053
adhesive offers
excellent aging
resistance for
long-term durability.**

ARALDITE® 2053 adhesive ensures durable, reliable bonding for most common substrates even in the harshest conditions. The resulting bond resists aging and fatigue, with an elongation rate of more than 50% and a high resistance to hot and wet environments. By distributing stress uniformly over bonded areas, ARALDITE® 2053 adhesive helps maintain physical integrity while enabling lightweight design.

With an optimal open time, and virtually no need for pre-treatment, you can achieve faster production cycles and increased throughput. This all-in-one solution can also help you simplify your inventory and processes, including worker training.

PRODUCT BENEFITS

- High resistance to hot and wet conditions
- Withstands e-coat and powder coat processes up to 200°C
- High elongation
- Available in multiple pot lives



MADE POSSIBLE

SECURELY BOND MATERIALS WITH DIFFERING THERMAL EXPANSION COEFFICIENTS.



ARALDITE® 2053 acrylic adhesive is a flexible, two-component adhesive that enables bonding of different materials and provides excellent durability under hot and wet conditions.

SUPERIOR PERFORMANCE

5/15 mins

5/15 mins pot life at room temperature

| | |
|---|---------------------------------------|
| 20/40 mins Fixture time at room temperature | 145,038 psi Tensile modulus |
| 2,175 psi Tensile strength | >50% Elongation at break |

176-212°F

176-212°F maximum continuous operating temperature*

* For the maximum continuous operating temperature, we consider the maximum temperature for which the residual lap shear strength is 1/3 of the lap shear strength at room temperature or the temperature for which the residual lap shear strength is 725 psi.
 ** Conditions /parameters of obtained results are available in our TDS.

MAXIMIZE DURABILITY

Excellent aging resistance

90%

90% strength remaining after 14-days cataplasma test (ISO 9142/E2)**

With our Material Models, you get fast and accurate simulations when qualifying adhesives for your project.

Click to find your Material Model



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Americas

Huntsman Advanced Materials Americas Inc.
 10003 Woodloch Forest Drive
 The Woodlands, TX 77380, USA
 Tel.: +1 888 564 9318
 Fax: +1 281 719 4047



BPA free

Asia Pacific

Huntsman Advanced Materials (Guangdong) Co., Ltd,
 Shanghai Branch Office
 455 Wenjing Road, Minhang District
 Shanghai 200245, P.R. China
 Tel: +86 21 3357 6588
 Fax: +86 21 3357 6547

Europe, Middle East & Africa

Huntsman Advanced Materials (Switzerland) GmbH
 Klybeckstrasse 200
 P.O. Box
 4002 Basel, Switzerland
 Tel.: +41 61 299 1111
 Fax: +41 61 299 1112

For more information: www.huntsman.com